

				162	
Tag	Operation <u>166A</u>	Operation 166B	Operation <u>166C</u>	Operation <u>166D</u>	Flow Control
<u>164</u>	Operation 166E	Operation 166F	Operation 166G	Operation 166H	<u> 168</u>

FIG. 2A

Liveness	Encoding 266
Unconditionally Live	11
Subsequent to 1st Branch	10
Subsequent to 2nd Branch	01
Unconditionally Dead	00

FIG. 2B

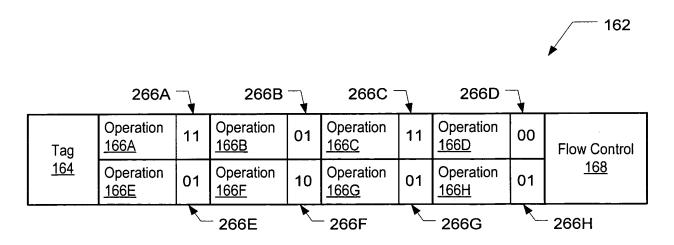


FIG. 2C

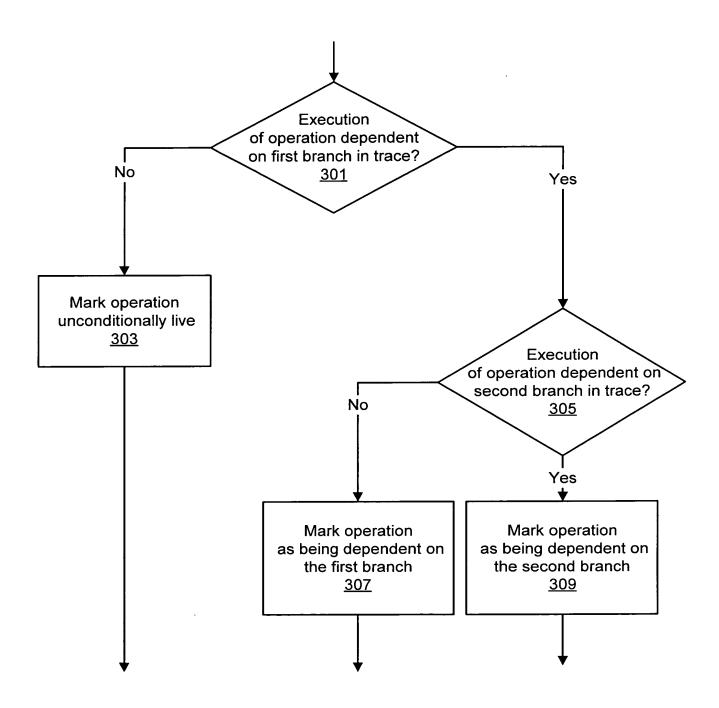
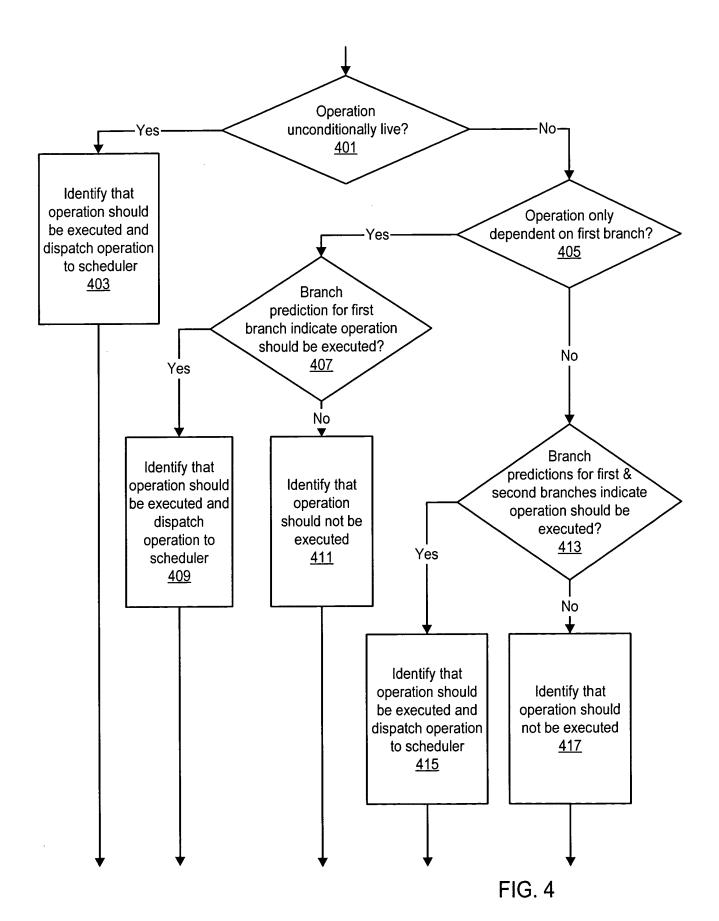
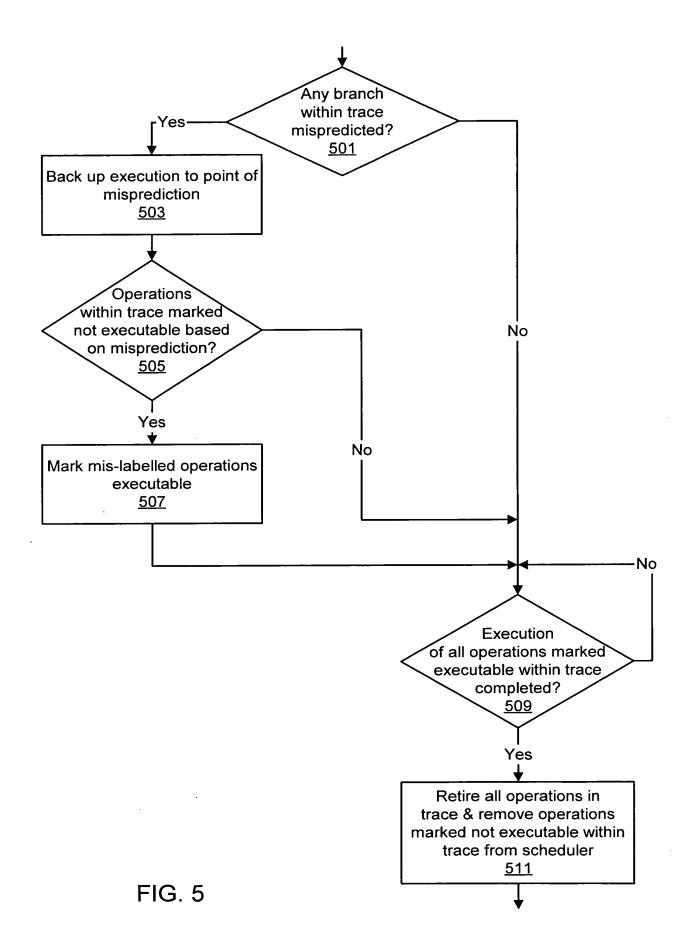
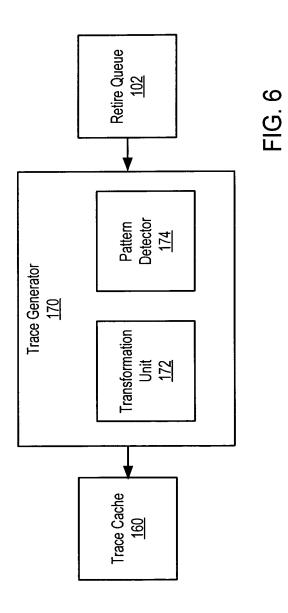


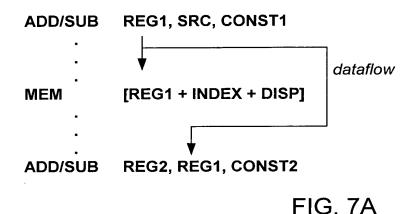
FIG. 3

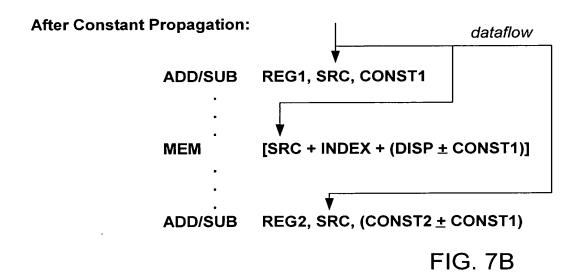






Before Constant Propagation:





Before Move Renaming:

After Move Renaming:

ADD EAX, ESI, 7

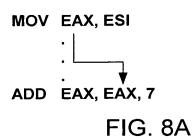
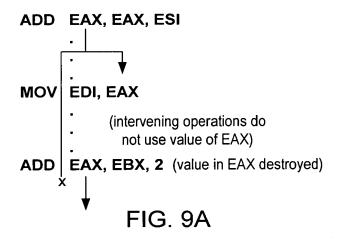


FIG. 8B

Before Move Renaming:



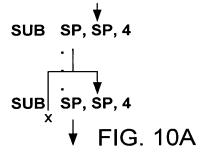
After Move Renaming:

ADD EDI, EAX, ESI

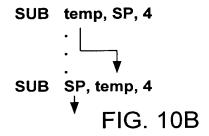
ADD EAX, EBX, 2

FIG. 9B

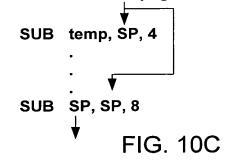
Before any transformations:



Slotification:



After Constant Propagation:



After Dead Operation Elimination:

FIG. 10D

Before:

Op1 Sets condition code

(intervening instructions do

not set condition code)

JNE Label

FIG. 11A

After Branch Folding:

Op1 Sets condition code; fail if NE

FIG. 11B

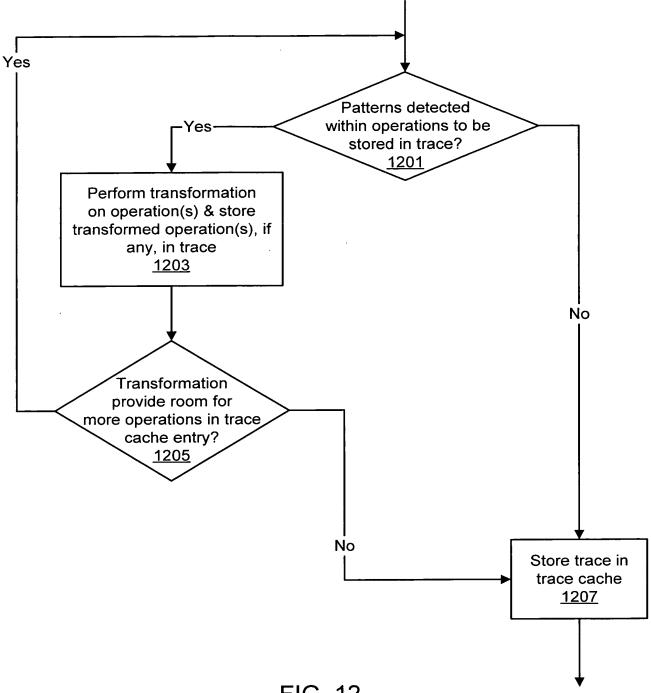


FIG. 12

Instruction Stream:

Instruction1
Instruction2
Instruction3
Microcoded Instruction
Instruction4
Instruction5

FIG. 13A

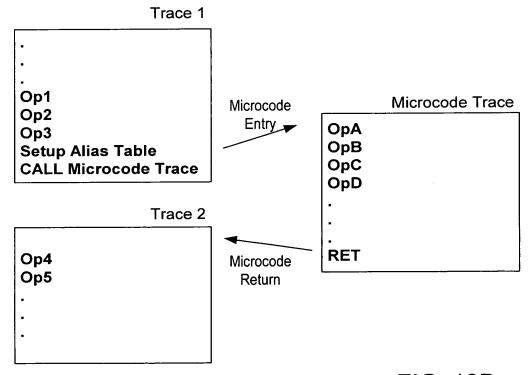
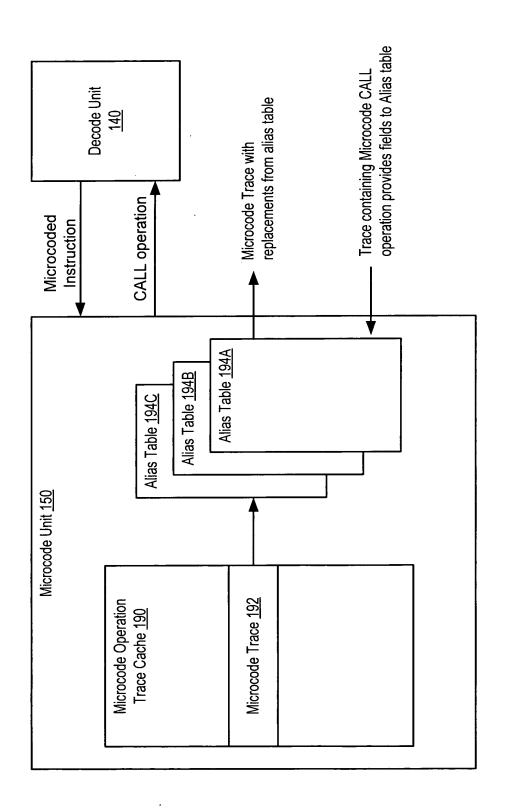


FIG. 13B



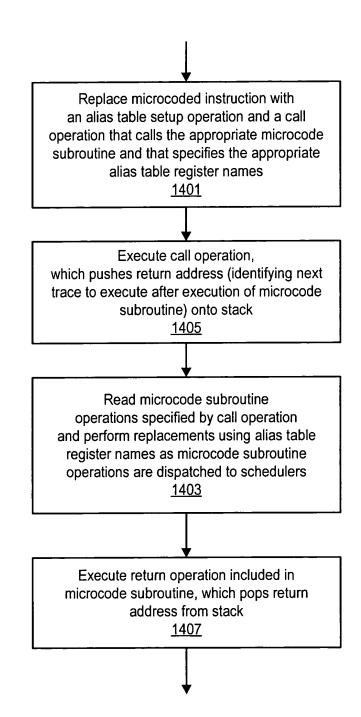


FIG. 14

